

Assignment

Date _____ Period _____

Find the value of x or y so that the line through the points has the given slope.

1) $(x, -4)$ and $(6, -8)$; slope: undefined

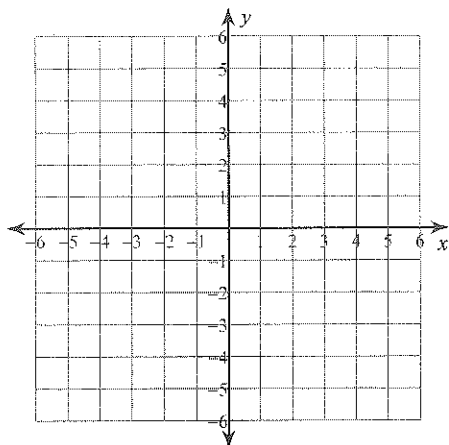
2) $(x, -4)$ and $(1, 6)$; slope: $-\frac{10}{3}$

3) $(-7, 8)$ and $(x, 3)$; slope: $-\frac{5}{9}$

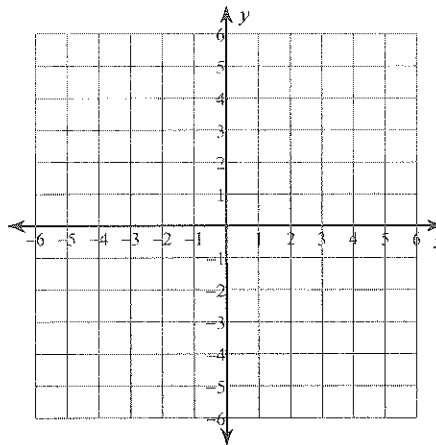
4) $(4, -4)$ and $(-3, y)$; slope: $\frac{1}{7}$

Sketch the graph of each line.

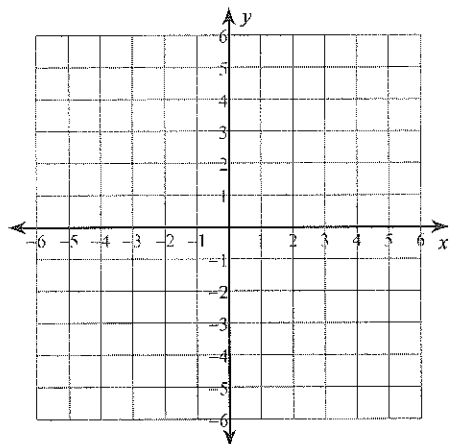
5) $-60 = -27x - 15y$



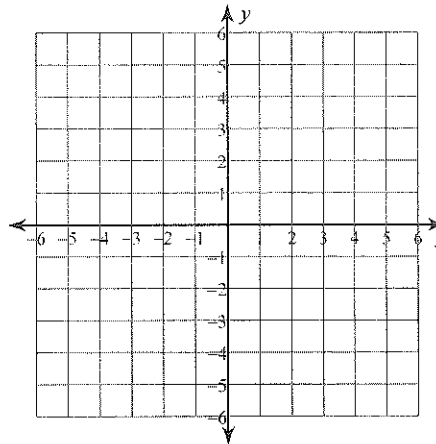
6) $-20 = -5y + x$



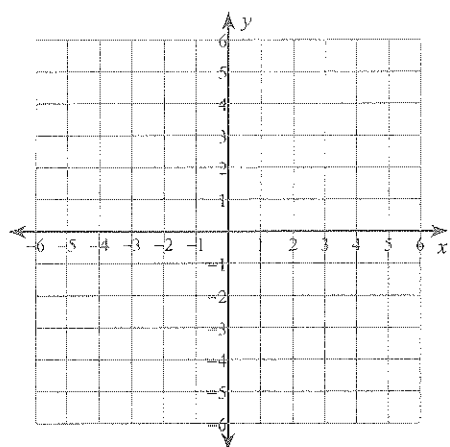
7) $y - 3 = 2x$



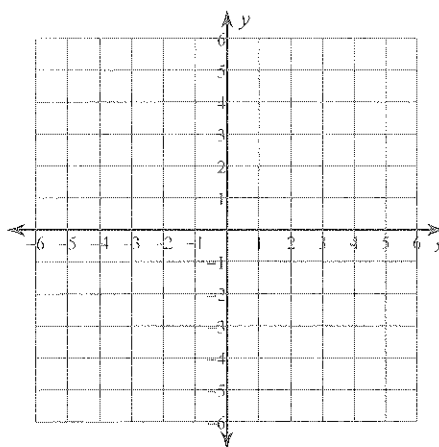
8) $0 = 4 + y + 8x$



9) $0 = -y + 3 - x$

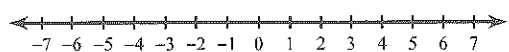


10) $-20 = 5y + 3x$

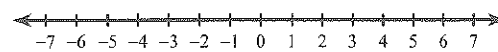


Draw a graph for each inequality.

11) $n > -2$

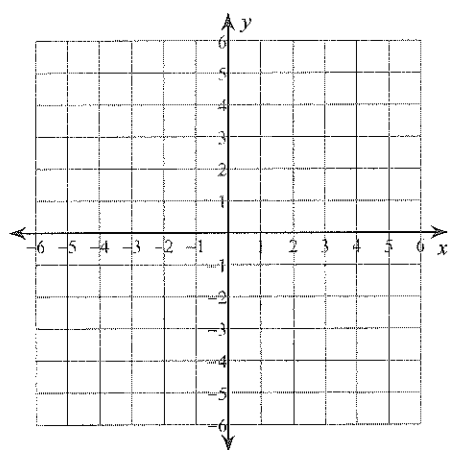


12) $n \leq 0$

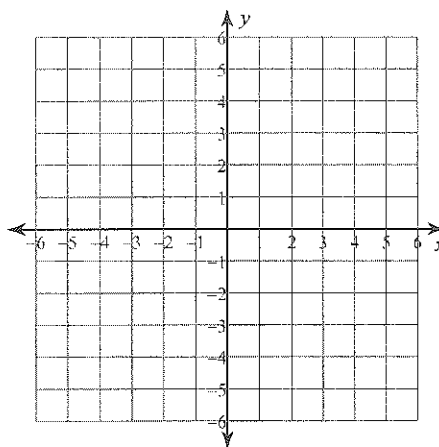


Sketch the graph of each linear inequality.

13) $y > \frac{7}{5}x + 5$

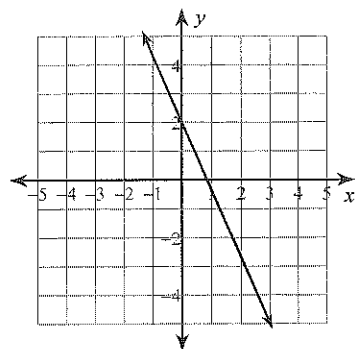


14) $y \leq -4$



Write the slope-intercept form of the equation of each line.

15)



16)

